

Perform all maintenance operations recommended by the manufacturer of the sign. Include the periodic cleaning of the sign face and associated solar panels in maintenance operations.

1120-4 MEASUREMENT AND PAYMENT

Portable Changeable Message Signs will be measured and paid as the maximum number of portable changeable message signs acceptably placed and in operation, at any one time during the life of the project. Payment for *Portable Changeable Message Signs* will be made on the following schedule:

- (A) 70% of the unit bid upon placing the unit in service,
- (B) 20% of the unit bid when the project is 50% complete, and
- (C) 10% of the unit bid when the project is 100% complete.

Portable Changeable Message Signs (Short Term) will be measured and paid as the actual number of days the portable changeable message sign (short term) is used on a project for a specific work operation, removed from the project after the specific operation is complete and remains in use on the project no longer than 30 days.

Replacement, repair and maintenance of changeable message signs will be incidental to the work of this section.

Payment will be made under:

Pay Item	Pay Unit
Portable Changeable Message Sign	Each
Portable Changeable Message Sign (Short Term)	Day

SECTION 1130 DRUMS

1130-1 DESCRIPTION

Furnish, install, maintain, relocate and remove drums with ballast.

1130-2 MATERIALS

Refer to Division 10.

Item	Section
Drums	1089-5

Provide drums that are on the NCDOT Approved Product List.

1130-3 CONSTRUCTION METHODS

Use the same type of reflective sheeting on all drums installed at any one time during the life of the project. Spacing of these devices is equal in feet to the speed limit in the taper and twice the speed limit in the tangent sections.

Use a ballasting method in accordance with manufacturer's specification. When using a tire ballasting method, use approved manufacturer's tires and place the tires flush with the ground.

Immediately replace any drum, ballast or reflective sheeting that are torn, crushed, discolored or otherwise damaged.

1130-4 MEASUREMENT AND PAYMENT

Drums will be measured and paid as the maximum number of drums acceptably placed and in use at any one time during the life of the project.

Relocation, replacement or repair of drums, ballasts or reflective sheeting will be incidental to the work of this section.

Section 1135

1 Payment will be made under:

Pay Item
Drums

Pay Unit
Each

SECTION 1135 CONES

1135-1 DESCRIPTION

2 Furnish, install, relocate, maintain and remove cones and reflective cone collars.

1135-2 MATERIALS

3 Refer to Division 10.

Item
Cones

Section
1089-4

4 Provide cones that are on the NCDOT Approved Product List.

1135-3 CONSTRUCTION METHODS

5 Use reflective adhesive sheeting on all cones used between dusk and dawn. Use the same
6 type of reflective sheeting on all cone collars installed at any one time during the life of the
7 project. Do not use cones in the upstream taper of lane or shoulder closures for multilane
8 roadways. Do not use cones for longer than 3 consecutive days.

9 Use ballasting methods in accordance with manufacturer's specification.

10 Cones may be used on all facilities for daytime and nighttime work with speed limits at or
11 below 55 mph. If used at night, the cones shall have adhesive reflective sheeting and shall
12 meet the height requirements in the *Roadway Standard Drawings*.

13 Cones may be used instead of drums, where allowed in the TTC plans or by the Engineer, on
14 facilities with speed limits above 55 mph, if both the work is performed during daylight
15 conditions and the devices are removed after each work period. Drums shall be used in the
16 tapers.

17 The maximum spacing for cones on multi-lane roadways is equal in feet to the posted speed
18 limit.

19 Immediately replace any cone that is torn, crushed, discolored or otherwise damaged.

1135-4 MEASUREMENT AND PAYMENT

20 *Cones* will be measured and paid as the maximum number of cones acceptably placed and in
21 use at any one time during the life of the project.

22 Relocation, replacement, repair and maintenance of cones will be incidental to the work of
23 this section.

24 Payment will be made under:

Pay Item
Cones

Pay Unit
Each

SECTION 1145 BARRICADES

1145-1 DESCRIPTION

25 Furnish, erect, maintain, relocate, ballast and remove barricades.